

SEP 20 2004
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Serial No.: 10/648,616

Examiner: Unknown

Confirmation No.: 4378

Filed: August 26, 2003

For: Plasma Processes For
Depositing Low Dielectric
Constant Films

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
37 CFR 1.8

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9/16/04 Karin R. Zink
Date Signature

Dear Sir:

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/3032.C6/KMT.

Respectfully submitted,



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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/648,616
Filing Date	AUGUST 26, 2003
First Named Inventor	CHEUNG, ET AL.
Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/3032.C6/DSM/LOW K/JW

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A1	US-6,790,789	09/14/2004	Grill, et al.	
	A2	US-6,770,573	08/03/2004	Grill, et al.	
	A3	US-6,756,323	06/29/2004	Grill, et al.	
	A4	US-6,660,391	12/09/2003	Rose, et al.	
	A5	US-6,583,071	06/24/2003	Weidman, et al.	
	A6	US-6,583,048	06/24/2003	Vincent, et al.	
	A7	US-6,582,777	06/24/2003	Ross, et al.	
	A8	US-6,562,690	05/13/2003	Cheung, et al.	
	A9	US-6,559,520	05/06/2003	Matsuki, et al.	
	A10	US-6,548,899	04/15/2003	Ross	
	A11	US-6,541,398	04/01/2003	Grill, et al.	
	A12	US-6,537,929	03/25/2003	Cheung, et al.	
	A13	US-6,531,714	03/11/2003	Bacchetta, et al.	
	A14	US-6,486,082	11/26/2002	Cho, et al.	
	A15	US-6,479,110	11/12/2002	Grill, et al.	
	A16	US-6,455,445	09/24/2002	Matsuki, et al.	
	A17	US 6,441,491	08/27/2002	Grill, et al.	
	A18	US 6,437,443	08/20/2002	Grill, et al.	
	A19	US-6,410,463	06/25/2002	Matsuki, et al.	
	A20	US-6,312,793	11/06/2001	Grill, et al.	
	A21	US-6,140,226	10/31/2000	Grill, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	B1	EP 1 176 226 A1	01/30/2002	Nemani, et al.		
	B2	EP 1 354 980 A1	10/22/2003	Vrtis, et al.		
	B3	WO 99/21706 A1	05/06/1999	Lee, et al.		
	B4	WO 00/19498 A1	04/06/2000	Huang		
	B5	WO 99/41423 A2	08/19/1999	Cheung, et al.		

Examiner
SignatureDate
Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	2	of	3
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First Named Inventor	CHEUNG, ET AL.
Art Unit	UNKNOWN
Examiner Name	UNKNOWN
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U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

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Examiner
Signature

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 3

Complete if Known

Application Number	10/648,616
Filing Date	AUGUST 26, 2003
First Named Inventor	CHEUNG, ET AL.
Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/3032.C6/DSM/LOW K/JW

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	WU, ET AL. "Advanced Metal Barrier Free Cu Damascene Interconnects with PECVD Silicon Carbide Barriers for 90/65-nm BEOL Technology", 2002 IEEE, IEDM - pp. 595-598.	
	C2	TAJIMA, ET AL. "Characterization of Plasma Polymers from Tetramethylsilane, Octamethylcyclotetrasiloxane, and Methyltrimethoxysilane" Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 25 (1987) pp. 1737-1744.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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